**9-15-22 North American Presentation**

**North American:** Zach Hansen, Eric Deyerler, Molly Wanner, Matthew Kitzmiller,

**F&S:** Pete, Macie, Tracy, Amy, Joey, Roy, Daphne

**Building Service challenges**

* Staffing (60-70% of what they should be)
* 3 shifts: day, afternoon, deep night

**Six pillars identified by North American during their campus tour**

* Health
* Zero Waste
* Labor
* Cost Savings
* Aesthetics
* Innovation

**Campus Instructional Facility (CIF) is the flagship building in terms of visibility, foot traffic, and innovation**

* North American asked: could this work for CIF? And if yes, can it be duplicated elsewhere?

**Restrooms**

* Current state/challenges: multiple SKUs of paper products, outdated dispensers, sanitary/bath tissue quality concerns, capacity (is there a better way?), soap being thrown away, storage space for supplies
* Desired state: one towel SKU, dispenser systems updated, covered and hygienic dispensers, better dispenser capacity, throw away less product, products that take up less space

**Restroom solutions**

* Towels: velcro-system dispenser that allows BSW to add stacks as they need; there is an indicator/tracking on the dispensers
* The towels are noticeably smaller than what is currently used
  + Chem Life Science A&B, med science, and vet med are concerned about the absorbency of the towels
    - They have refused roll towels in the past
    - C-fold towels can create a lot of waste, which this dispenser attempts to mitigate
    - Will need to test the product in these buildings

**Bath tissue solutions**

* We care about aesthetics and hygiene
* Supply: when we have 5 rolls available at once, people won’t use all of one roll; you end up with 5 mostly-used rolls; creates a lot of waste
* Solution: mini jumbo 2-ply rolls
  + You can’t get to the second roll without first using the first roll
* The key to access the bath tissue is the same key used for the towels

**Hand hygiene solutions**

* Eco-Lab’s refillable cartridge, completely sealed
* Not exposed to air, so no concern for mold growth
* Manual or touch-free available
* Also available for alcohol-free sanitizer

**HRG No-Touch Foam Handwash Dispenser** (everyone was less interested in this version)

* Utilizes cartridge as the power (requires a coin battery)
* Contains purrell inside of the dispenser
* Not a refillable cartridge; would have to throw away
* Battery life lasts as long as the product is in use for

**Cleaning program**

* Current state/challenges: no consistent training, inconsistent chemical system (difficult for floaters), stocking issues for SKUs, SDUs, obsolescence: waste
* Desired state: WAXIE program: GS/EcoLogo/low VOC, SKU consolidation, Kaivac compatible, cost savings

**Solsta dispensing system**

* 730 HP disinfectant cleaner — not a one-step: clean the soiled area, then disinfect it
* 330 WAXIE-green fresh mint liquid microbes
  + Microbes will eat bacteria
  + Gets into grout
  + Any true disinfectant cannot have GS/EcoLogo certification
    - This microbe solution is not listed as a disinfectant, but it neutralizes the bacteria the same way a disinfectant would
  + Tip is in the jug, not dispenser so no need for maintenance when something happens

**Carpet encapsulation**

* Traditional chemicals use a detergent with sticky chemicals which attracts soil
* Solution: use a water-based cleaner which leaves no harmful residue, no rinsing required, prevents soil wicking, eliminates rapid resoiling, carpet stays cleaner for longer, safe on all carpet fibers

**Hard floor care**

* WAXIE-green floor care line
  + Armor 2
  + Floor stripper

**Cleaning equipment**

* Current state/challenges: massive equipment portfolio, aged equipment, parts are obsolete
* Desired state: newer technology with greater efficiency

**Envoy equipment offering list** (anything you could need)

* UIUC has no self-warranty
* North American is able to do service and can create a service program for UIUC

**Equipment**

* T7 AMR & T380 robotic floor scrubbers
* EC-H2O nanoclean (uses water to clean floors)

**Interplast Group**

* Fitting cans with liners better
* Can do a liner audit

**Matting solution**

* Made of recycled plastic bottles and used tires

**Liquid Ice Melt**

* Keeps traiditional solid ice melt from tracking into buildings and reduces the environmental impact of the salt on the green spaces surrounding buildings